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ABSTRACT OF THE DISCLOSURE

HIERARCHICAL PROCESSING OF SIMULATION MODEL EVENTS

A method, system, and data structure for
instrumenting a cross-hierarchical simulation event are
disclosed herein. The cross-hierarchical simulation event
is a function of a first simulation event residing at a
first level of simulation model hierarchy and a second
simulation event residing at a second level of simulation
model hierarchy. In accordance with the present
invention, a cross-hierarchical instrumentation entity is
defined within the first level of simulation model
hierarchy utilizing an instrumentation declaration
comment containing data representing a cross-hierarchical
instrumentation entity. A first input of said
instrumentation entity is connected to the first
simulation event and a second input of the
instrumentation entity is connected to the second
simulation event utilizing an input port mapping comment
that declares the cross-hierarchical instrumentation
entity to generate a cross-hierarchical simulation event.

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